

Annex A

Proposed Amendments to the WESM Manual on Dispatch Protocol to Enhance Procedures in Must-Run Unit (MRU) Accounting

WESM Manual on Dispatch Protocol, Issue 13.0						
Title	Clause	Provision	Proposed Amendment	Rationale	Stakeholder's Recommendations	Stakeholder's Rationale
Management of Must-Run Units – Overview	17.1.8 (new)	(new)	<p><u>The generator shall also be considered as a must-run unit in the dispatch intervals succeeding its dispatch instruction as must-run unit until the dispatch interval when any of the following conditions occur:</u></p> <p>a) <u>it is deemed to have fully ramped down based on its registered ramp rate; or</u></p> <p>b) <u>it is re-designated as a must-run unit.</u></p>	To ensure proper compensation of MRUs when complying with dispatch instructions.		
Management of Must-Run Units – Overview	17.1.9 (new)	(new)	<p><u>The generator shall also be considered as a must-run unit in the dispatch intervals prior its dispatch instruction as must-run unit starting the most recent dispatch interval with any of the following conditions:</u></p> <p>a) <u>it is deemed to have started ramping from zero (0) MW at that dispatch interval based on its registered ramp rate; or</u></p>	To ensure proper compensation of MRUs when complying with dispatch instructions.		

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			b) <u>it is a <i>dispatch interval</i> after the <i>generator</i> was designated as a <i>must-run unit</i>.</u>			
Management of Must-Run Units – Reporting and Publication	17.5.2 (new)	(new)	<u>Within two (2) working days from receipt of a report, the <i>Market Operator</i> shall request the <i>System Operator</i> to validate a reported discrepancy by a <i>generator</i>.</u>	To provide clear timelines in the processing of reported discrepancies by generators designated as MRUs.		
Management of Must-Run Units – Reporting and Publication	17.5.3 (new)	(new)	<u>The <i>System Operator</i> shall provide the results of its validation of the reported discrepancies within two (2) weeks from the receipt of the request from the <i>Market Operator</i>. If the <i>Market Operator</i> has not received any validation within the prescribed timeline, the <i>Market Operator</i> shall consider the submitted discrepancies by the <i>Generator</i> as valid.</u>	To provide clear timelines in the processing of reported discrepancies by generators designated as MRUs.		

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<u>Management of Must-Run Units – Dispatch Intervals under Ramp Down and Ramp Up</u>	<u>17.6</u> (new)	(new)	<u>Dispatch Intervals under Ramp Down and Ramp Up</u>	To provide details on the determination of the dispatch intervals when a generator is ramping down from or ramping up to its MRU instruction		
<u>Management of Must-Run Units – Dispatch Intervals under Ramp Down and Ramp Up</u>	<u>17.6.1</u> (new)	(new)	<p><u>The Market Operator shall determine the number of dispatch intervals when a generator ramped down succeeding its MRU designation. Said generator shall additionally be designated as MRU during the identified dispatch intervals, provided that the generator has not been tagged as MRU.</u></p> <p><u>The Market Operator shall use the following formula in determining the number of dispatch intervals, rounded up to the next whole dispatch interval:</u></p> $n_{rd,g,i} = \frac{MRU_{g,i}}{RR_g \times 5}$	It is proposed that dispatch intervals when the generator is ramping down from its MRU instruction based on its registered ramp rate be considered as MRU intervals to allow the generator to recover costs resulting from its compliance with the MRU dispatch instruction.		

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			<p>Where:</p> <p><u>$n_{rd,g,i}$</u> refers to the number of <i>dispatch intervals</i> that <i>generator g</i> will be considered as a <i>must-run unit</i> after <i>dispatch interval i</i> with <i>dispatch instruction as must-run unit</i></p> <p><u>$MRU_{g,i}$</u> refers to the actual <i>dispatch</i>, in MW, of <i>generator g as must-run unit for dispatch interval i</i></p> <p><u>RR_g</u> refers to the registered <i>ramp rate</i>, in MW/min, of <i>generator g</i></p>			
<u>Management of Must-Run Units – Dispatch Intervals under Ramp Down and Ramp Up</u>	<u>17.6.2.</u> (new)	(new)	<p><u>The Market Operator shall determine the number of <i>dispatch intervals</i> when a generator ramped up prior to its MRU designation. Said generator shall additionally be designated as MRU during the identified dispatch intervals, provided that the generator has not been previously tagged as MRU.</u></p> <p><u>The Market Operator shall use the following formula in determining</u></p>	It is proposed that dispatch intervals when the generator is ramping up to its MRU instruction based on its registered ramp rate be considered as MRU intervals to allow the generator to recover costs resulting from its compliance with the MRU dispatch instruction.		

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			<p><u>the number of dispatch intervals, rounded up to the next whole dispatch interval:</u></p> $n_{ru,g,i} = \frac{MRU_{g,i}}{RR_g \times 5} - 1$ <p><u>Where:</u></p> <p><u>n_{ru,g,i}</u> refers to the number of <u>dispatch intervals</u> that <u>generator g</u> will be considered as a <u>must-run unit after from dispatch interval i</u> with <u>dispatch instruction as must-run unit</u></p> <p><u>MRU_{g,i}</u> refers to the actual <u>dispatch, in MW, of generator g as must-run unit for dispatch interval i</u></p> <p><u>RR_g</u> refers to the registered <u>ramp rate, in MW/min, of generator g</u></p>			